

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20825	((tun\$3 or adjust\$3) with (filter or transconduct\$4)) and (digital)	USPAT	ADJ	ON	2007/04/19 08:55
L2	802	((tun\$3 or adjust\$3) same (transconduct\$4)) and (digital)	USPAT	ADJ	ON	2007/04/19 08:56
L3	568	2 and filter	USPAT	ADJ	ON	2007/04/19 08:56
L4	32	((tun\$3 or adjust\$3) with (transconduct\$4)) with (digital)	USPAT	ADJ	ON	2007/04/19 09:30
L5	0	(DAC with (extract with bit with digital)) same (convert with remain\$3 with analog)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/19 10:55
L6	3	((DAC or (digital near3 analog)) with (extract with bit with digital)) same (convert with remain\$3 with analog)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/19 10:56
S1	1	10/629020	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/12 14:27
S3	1248	transconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/12 14:28
S4	326	S3 and ((tun\$3 or adjust\$3 or set\$4 or vary\$3) with transconductor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/12 14:29
S5	86	S4 and (digital and bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/12 14:30

## EAST Search History

S6	92	S4 and (bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/12 14:30
S7	2	("2002/0163384").URPN.	USPAT	ADJ	ON	2007/04/19 08:54
S8	0	10/368430 and logic\$3	USPAT	ADJ	ON	2006/12/13 08:00
S9	1	"5245646".pn. and digital	USPAT	ADJ	ON	2006/12/13 14:25
S10	38	("3818246"   "4352010"   "4661803"   "4672361"   "4675649"   "4733205"   "4783644"   "4791379"   "4939519"   "4965578"   "5059836"   "5124593"   "5128676"   "5187445").PN. OR ("5245646").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 14:35
S11	7	S10 and transconduct\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 14:45
S12	267	(transconduct\$4 near3 filter) and ((tun\$3 or adjust\$3) near3 circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 14:46
S13	92	S12 and transistor	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 14:47
S14	49	S13 and digital and analog	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:33
S15	1	"5701099".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 15:27
S16	1	"6466090".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 15:34
S17	0	2004/0100322	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 15:36
S19	2	10/302887	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/13 15:36
S20	0	("2004/0100322").URPN.	USPAT	ADJ	ON	2006/12/13 15:38
S21	0	wo 96/27239	USPAT	ADJ	ON	2006/12/13 15:38
S22	0	96/27239	USPAT	ADJ	ON	2006/12/13 15:40
S23	0	wo/1996/027239	USPAT	ADJ	ON	2006/12/13 15:40
S24	0	1996/027239	USPAT	ADJ	ON	2006/12/13 15:40

## EAST Search History

S25	0	1996/027239	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:40
S26	0	WO/1996/027239	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:41
S27	0	PCT/US1996/002399	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:41
S28	0	WO/1996/027239	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:44
S29	2	"6304135".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:48
S30	2	"5914633".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:55
S31	2	"6112125".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 15:59

## EAST Search History

S32	2	"5352934".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:08
S33	2	"20030090316"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:16
S34	2	"5245646".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:41
S35	25209	voltage with current with filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:41
S36	1124	S35 and transconduct\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:41
S37	475	S36 and digital and analog	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:42
S38	259	S37 and bit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:42

## EAST Search History

S39	94	S38 and (tun\$3 near3 circuit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/12/13 16:43
S40	4	("5650950"   "5914633"   "6172569"   "6404277").PN. OR ("6977542").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:06
S41	269	(transconduct\$4 near3 filter) and ((tun\$3 or adjust\$3) near3 circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:11
S42	92	S41 and transistor	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:34
S43	49	S42 and digital and analog	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:34
S44	29	S43 and bit	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:37
S45	418	327/553.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:37
S46	107	S45 and transconduct\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:37
S47	52	S46 and ((tun\$3 or adjust\$3) near3 circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:38
S48	19	S47 and analog and digital and bit	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:47
S49	3	(transconduct\$4 near4 capacit\$4) and ((tun\$3 or adjust\$3) with (trim near2 value))	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:49
S50	6	(transconduct\$4 near4 capacit\$4) and ((tun\$3 or adjust\$3) and (trim near2 value))	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 08:49
S51	179	330/303.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:11
S52	15	S51 and transistor	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:12

## EAST Search History

S53	943	transconductor	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:12
S54	936	S53 and circuit	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:12
S55	240	S54 and analog and digital and bit	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:12
S56	222	S55 and voltage and current	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:13
S57	177	S56 and gain	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:14
S58	87	S57 and tun\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/14 16:16
S59	29	software and (tuning with transconductance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:02
S60	74	(software or program)and (tuning with transconductance)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:03
S61	45	S60 not S59	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:06
S62	2	S61 and ((software or program) with implement\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:10
S63	164192	((software) with implement\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:10
S64	9156	S63 and tuning	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:10
S65	118	S64 and transconductance	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:16
S69	493	S64 and (software with (computer readable medium))	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 09:19
S70	5	S69 and ("327".clas. or "330".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 10:34

## EAST Search History

S71	1460	375/316.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 10:34
S72	0	S71 and (trans near1 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 10:35
S73	1326	(trans near1 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:01
S74	58	S73 and (tun\$3 or adjust\$3) with (trans near1 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/15 10:36
S75	2393	(trans adj3 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:02
S76	80	S75 and ((tun\$3 or adjust\$3) with (trans adj3 conduct\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:03
S77	1362	(trans near1 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:03
S78	61	S77 and (tun\$3 or adjust\$3) with (trans near1 conduct\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:03
S79	43	S76 not S78	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/17 15:08
S82	599	transconduct\$4 with (tun\$3 or adjsut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 15:16
S83	151	S82 and ((tun\$3 or adjust\$3) near3 range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/17 15:17
S84	66	S83 and bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:12

## EAST Search History

S85	599	transconduct\$4 with (tun\$3 or adjsut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:12
S86	151	S85 and ((tun\$3 or adjust\$3) near3 range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:24
S87	58	S86 and (bit with tun\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:14
S88	35	S86 and (bit with tun\$3 with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:24
S90	71	S85 and (((tun\$3 or adjust\$3) near3 range) with transconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:24
S91	33	S90 and (bit with tun\$3 with range)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 07:31
S92	2	"4841461".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 08:14
S93	2	"6977542".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/04/18 08:15
S94	4	("5650950"   "5914633"   "6172569"   "6404277").PN. OR ("6977542").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 08:29



## EAST Search History

S95	1	"7078960".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 08:50
S96	10831	341/169.ccls. or 327/552,553,103, 554,556,551,557,558,559,311.ccls. or 375/316.ccls. or 330/305,270, 303,279,252,301,86,69,85.ccls. or 333/172,173.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 08:52
S97	4	S96 and (tun\$3 near4 (trans adj3 conduct\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 08:53
S98	89	S96 and (tun\$3 near4 (transconduct\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 08:53
S99	11	S98 and (bit with tun\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 09:03
S10 0	78	S98 not S99	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 09:01
S10 1	35	S98 and (bit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 09:03
S10 2	24	S101 not S99	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/18 09:03
S10 3	6566	375/316,326,327,373,322,150,371, 254,275,376.ccls. or 455/204.ccls.	USPAT	ADJ	ON	2007/04/18 12:47
S10 4	138	S103 and VSB	USPAT	ADJ	ON	2007/04/18 12:47
S10 5	17	S104 and (OQAM or (offset near3 QAM))	USPAT	ADJ	ON	2007/04/18 13:32
S10 6	7	VSF same (OQAM or (offset near3 QAM)) same conver\$4	USPAT	ADJ	ON	2007/04/18 13:33